



## **Stand Charger für multiCOM pro (Order-Nr. 29602) User manual**

### **Intended use:**

The stand charger is designed to charge Nickel-Cadmium **block batteries 4.8 V 950 mAh** when placed in the battery compartment of multiCOM pro. Other batteries, especially single NiCd cells placed in the battery compartment as replacement for ordinary alkaline batteries cannot be charged with this charger

The charger fulfills the basic requirements of EU-Direktives 89/336/EEC, 23/73/EEC, the european communications standards ETS 300 296 and ETS 300 279 and is CE marked.

### **Warning:**

Please use this battery charger only for the original block battery ( order no.: 29605) and follow the instructions of this manual.

for security reasons the battery compartment has different contacts for ordinary non rechargeable batteries and the special rechargeable block battery. It is not possible to charge other batteries, which do not use the special charging contacts.

### **How does the charger work?:**

The stand charger provides an intelligent CPU-controlled fast charging circuit, which can detect the charge condition of the battery and switches automatically off when the battery has been fully charged. In less than 2 hours the battery block will be charged by about 90 % of it's capacity.

During this time the red LED will be on.

After charging the battery to 90 %, the charger switches automatically to a trickle mode with only 5 % of the fast charging current and will add the missing 10 % within the next hours. This is the most battery friendly charging method. Trickle charge is indicated by green LED. the radio can remain as long as You want in the stand charger in this trickle mode.

### **How to connect:**

Insert wall adapter into 220 / 230 V outlet, connect DC cable into stand charger.

Please use only the wall adapter shipped together with the stand charger and do not use any other power supply.

It is possible to connect the stand charger with a special Albrecht connecting cable ( order No. 7571) to 12 V supply in a car. The adaptor fits into the cigarette lighter socket of any 12 V car. The inner conductor of the DC socket is +, while the outer conductor is -

## **How to charge:**

Place the radio in switched off position into the stand charger, so, that the charging contacts have good connection. It is recommended to clean the charging contacts from time to time.

If inserted correctly, the control LED will first have orange colour (this is the battery test phase).

If the battery is ok, the LED colour will change to red after some seconds.

Permanent orange display colour will show that the block battery is probably defective or perhaps overheated. Please let a qualified technician check the battery in such a case or try to charge some time later again.

## **How long will the charger need?**

A complete empty battery will probably need about 2 hours of quick charge phase, a battery which is only partly discharged, will be detected by the CPU and the fast charging process will be stopped earlier.

At the end of the fast charging period the charger will switch to the low current trickle charge mode. The LED will now be green.

## **Operating the radio and charging at the same time?**

It is technically possible to leave the radio on during charging process, but it will increase the charging time. During the low current trickle charge process it is not recommended to use the radio for transmitting, because the charger does not deliver power enough for transmitting in this period. We recommend that You take the radio out of the charger each time as You want to transmit.

After placing the radio later again into the charger, the used energy will be replaced by the charger in a more or less long fast charging time period.

## **Useful hints:**

Nickel-cadmium batteries have a so called memory effect. If such a battery is always used only for a short time, the internal structure in the battery will memorize this behaviour and as result You can use the battery furthermore for shorter and shorter time only. What can You do against this?

Do not place the radio immediately after each transmitting into the charger!

Use the radio from time to time (perhaps once a week if You use it often) as long as the battery allows, do not charge before the battery is really empty. Then charge again for a full cycle, and use the radio again. A very good idea is to buy a second battery pack, so one pack can be used until it is really fully empty and You can insert a full one and charge both later again.

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